

73049-492

12/12/2012

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**U.S. ENVIRONMENTAL PROTECTION AGENCY**  
 Office of Pesticide Programs  
 Biopesticides and Pollution Prevention Division  
 (7511P)  
 1200 Pennsylvania Avenue NW  
 Washington, DC 20460

EPA Reg. Number:  
**73049-492**

Date of Issuance:  
**DEC 12 2012**

Term of Issuance: **UNCONDITIONAL**

Name of Pesticide Product:  
**ProGibb 40 PH Post Harvest Plant Growth Regulator**

**NOTICE OF PESTICIDE:**

Registration  Re-registration  
 (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):  
 Valent BioSciences Corporation  
 870 Technology Way  
 Libertyville, IL 60048

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA Sec. 3(c)(5) provided you:

1. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA section 3(c)(5) and section 4 when the Agency requires all registrants of similar products to submit such data.
2. Make the following label change before you release the product for shipment: Revise the EPA Registration Number to read, "EPA Reg. No. 73049-492."
3. Submit three (3) copies of the revised final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

Signature of Approving Official:

*Felecia Fort*

Date:

*12/12/12*

Felecia A. Fort, Acting Associate Director

Biopesticides and Pollution Prevention Division

**CONCURRENCES**

SYMBOL	SURNAME	DATE
EPA Form 8570-67	NSIP	
	ADAMS	12/12/12
	Hals	12/12/12
	Fort	12/12/12

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**PROGIBB® 40 PH**  
**Post Harvest Plant Growth Regulator**  
**Water Soluble Granule**

Active Ingredient	
Gibberellin A <sub>3</sub> .....	40.00% w/w
Other Ingredients.....	60.00% w/w
Total.....	100.00% w/w

Contains a total of 128 g of Gibberellic Acid in 320 g of product.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See inside booklet for Precautionary Statements.

EPA Registration No. 73049-UOE  
EPA Establishment No.

Valent BioSciences Corporation  
870 Technology Way, Suite 100  
Libertyville, IL 60048  
1-847-968-4700

Net Contents: 2.5g, 80 g and 320 g (0.09, 2.8 and 11.3 oz.)  
This container will treat \_\_\_acre at the maximum use rate, as directed for use on \_\_\_\_\_.

<b>FIRST AID</b>	
If in eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If on skin or clothing	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also call toll-free 1-800-892-0099 (24 hours) for emergency medical treatment and/or transport emergency information. For all other information, call 1-800-6-Valent.	

**ACCEPTED**

**DEC 12 2012**

Under the Federal Insecticide, Fungicide,  
and Rodenticide Act, as amended, for  
the pesticide registered under  
EPA Reg. No. 73049-492



## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS & DOMESTIC ANIMALS

Caution: Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

#### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Waterproof gloves.
- Shoes plus socks.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

#### User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning or disposing of equipment washwaters or rinsate.

Do not use treated seed for food, feed, or oil purposes. Exposed treated seed may be hazardous to birds and other wildlife. Treat only those seeds needed for immediate use and planting. Do not store excess treated seed beyond planting time. Dispose of all excess treated seed and seed packaging by burial away from bodies of water.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribe agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours *unless wearing appropriate PPE*.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls.
- Waterproof gloves.
- Shoes plus socks.

## GENERAL DIRECTIONS FOR USE

Use only as directed. Read the label thoroughly and make sure it is understood before making applications. Keep out of reach of children.

### Application Instructions:

- ProGibb 40 PH water soluble granule contains gibberellic acid which is an extremely potent plant growth regulator; when applying plant growth regulators, deviations from the label directions in the rates, timings, water volumes, or the adoption of untested spray mixes, results in undesirable effects. Always consult the local Valent representative in your area for the spray regimen best suited to your conditions.
- When a range of rates is indicated, use the concentration indicated by the local Valent representative.
- Prepare solution concentrations by mixing the required amount of product with water in a clean, empty tank. Discard any unused spray material at the end of each day following local, state or federal law.
- For most efficacious results, the use water with a pH of 4.0 to 8.5. Use buffer for water with pH above or below this range.
- Compatibility: When considering tank mixing with other products, use the following compatibility jar test before mixing a whole tank.

Start with a clear glass or plastic quart jar. Add water from the same water source that will be used for the larger tank mix. Add the pesticides in correct proportions. Mix thoroughly and let stand for a minimum 15 minutes. Heat, separation, gelling, are all signs of incompatibility. Before using any mixes that pass the jar tests for compatibility, it is imperative to test the mixture on a designated area as it may result either in phytotoxicity or ineffectiveness. For further information, consult your local Valent representative.

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

**Pesticide Storage**

Keep containers tightly closed when not in use.

**Pesticide Disposal**

Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Disposal: ( 80 or 320 g bottles)**

Nonrefillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or mix tank. Fill container ¼ full with water and recap. Shake 10 seconds. Pour rinsate into application equipment or mix tank or store rinsate for later use or disposal. Drain for 10 seconds after flow begins to drip. Repeat this procedure two more times. Then offer for recycling or dispose of in a sanitary landfill, or incineration, if allowed by state and local authorities by burning. If burned, stay out of smoke.

**(2.5 g sachets)**

Nonrefillable container. Do not reuse or refill this container. Offer for reconditioning if appropriate or dispose of in a sanitary landfill, or incineration, if allowed by state and local authorities by burning. If burned, stay out of smoke.

**CITRUS: POST-HARVEST APPLICATIONS**

<b>CITRUS – DELAY SENESCENCE</b>			
<b>CROP/ VARIETY</b>	<b>OBJECTIVE/ BENEFIT</b>	<b>USE RATE</b>	<b>APPLICATION METHOD</b>
Lemon	To delay fruit senescence and prolong storage life. The delay in senescence has been shown to reduce the incidence of infection by sour rot ( <i>Geotrichum candidum</i> ).	50-100 PPM	Dilute 2 to 40 grams a.i. per 10 gallons of final post-harvest application solution. Apply post-harvest application solution to the entire fruit as a spray or drench.
Yellow lemons and other mature citrus fruit	To delay aspects of rind senescence and color changes	50-100 PPM	Dilute 2 to 40 grams a.i. per 10 gallons of final post-harvest application solution. Apply post-harvest application solution to the entire fruit as a spray or drench.

**BANANA/PLANTAIN: POST-HARVEST APPLICATION**

<b>CITRUS – DELAY SENESCENCE</b>			
<b>CROP/ VARIETY</b>	<b>OBJECTIVE/ BENEFIT</b>	<b>USE RATE</b>	<b>APPLICATION METHOD</b>
Banana	To extend fruit green life	Apply a solution of 750 to 1500 ppm . The solution can be sprayed or brushed to the crown.	Apply after washing the fruit and before packing. It is permissible to tank-mix with other protectants.
Plantain	To extend fruit green life	Apply a solution of 1500 ppm . The solution can be sprayed or brushed to the crown.	Apply after washing the fruit and before packing. It is permissible to tank-mix with other protectants.

**PINEAPPLE: POST-HARVEST APPLICATION**

<b>PINEAPPLE – DELAY SENESCENCE</b>			
<b>CROP/ VARIETY</b>	<b>OBJECTIVE/ BENEFIT</b>	<b>USE RATE</b>	<b>APPLICATION METHOD</b>
Pineapple	To maintain the quality of the crown (greenness, turgidity), delay desiccation, discoloration, and browning, and improve overall appearance during transit, storage and shelf life.	Apply at the rate of 250 – 500 ppm as a spray directed to the crown	Apply after harvest and prior to packing. Make sure all leaves are thoroughly covered with the spray without excessive runoff.

### PROGIBB 40 PH CONVERSIONS

ProGibb 40 PH contains 1.0 gram of active ingredient per 2.5 grams (0.09 oz) of product.

To convert from Grams AI to Grams Product – Multiply grams AI x 2.5  
(i.e. 32 g a.i. x 2.5 = 80g ProGibb 40 PH)

To convert from Grams AI to Dry Ounces Product – Multiply grams AI x 0.09  
(i.e. 32 g a.i. x 0.09 = 2.9 oz ProGibb 40 PH)

### CONVERSION TABLE (for the 320 g size)

Grams of Active Ingredient	Grams of ProGibb 40 PH	Ounces of ProGibb 40 PH
2	5	0.2
4	10	0.4
5	12.5	0.5
6	15	0.6
8	20	0.7
10	25	0.9
15	37.5	1.4
20	50	1.8
30	75	2.7
40	100	3.6
50	125	4.5
60	150	5.4
80	200	7.2
100	250	9.0
128	320	11.5

### Grams of ProGibb 40 PH for given ppm's of Gibberellic Acid at Different Water Volumes.

Gallons of Water	Desired parts per million (ppm) gibberellic acid									
	4	5	6	8	10	15	20	30	40	50
75	1.5	3	4.5	6	7.5	11	14	21	28	35
100	2	4	6	8	10	14	19	28	38	47
125	2.5	5	7.5	9	12	18	24	35	47	59
150	3	6	9	11	14	21	28	43	57	71
200	4	8	11	15	19	28	38	57	76	95
250	5	10	14	19	24	35	47	71	95	118
300	5.5	11	17	23	28	43	57	85	113	142
400	7.5	15	23	30	38	57	76	113	151	189
500	9.5	19	28	38	47	71	95	142	189	236
600	11	23	34	45	57	85	113	170	227	284
750	14	28	43	57	71	106	142	213	284	

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Note: The numbers inside the table are the grams of ProGibb 40 PH needed to obtain the desired ppm's for each gallonage.

Example:

To make 250 gallons of a 40 ppm gibberellic acid solution, dissolve 95 grams of ProGibb 40 PH in 250 gallons of water (see shaded area).

**CONVERSION TABLE (for the 80 g size)**

ProGibb 40 PH contains approximately 10 grams of active ingredient per 25 grams of product.

Grams of Active Ingredient	Grams of ProGibb 40 PH	Ounces of ProGibb 40 PH
2	5	0.2
4	10	0.4
5	12.5	0.5
6	15	0.6
8	20	0.7
10	25	0.9
15	37.5	1.4
20	50	1.8
30	75	2.7
40	100	3.6
50	125	4.5
60	150	5.4
80	200	7.2

(Alternate for 80 g packaging)

Gallons of Water	parts per million (ppm) gibberellic acid									
	4	5	6	8	10	15	20	30	40	50
75	3.0	3.8	4.5	6.0	7.5	11.3	15.0	22.5	30.0	38
100	4.0	5.0	6.0	8.0	10.0	15.0	20.0	30.0	40.0	50
125	5.0	6.3	7.5	10.0	12.5	18.8	25.0	37.5	50.0	63
150	6.0	7.5	9.0	12.0	15.0	22.5	30.0	45.0	60.0	75
200	8.0	10.0	12.0	16.0	20.0	30.0	40.0	60.0	80.0	

Note: The numbers inside the table are the grams of ProGibb 40 PH WSG needed to obtain the desired ppm's for each gallonage.

Example:

To make 200 gallons of a 40 ppm gibberellic acid solution, dissolve 80 grams of ProGibb 40 PH WSG in 200 gallons of water (see shaded area).

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**NOTICE TO USER**

To the extent consistent with applicable law, seller makes no warranty, express or implied, of merchantability, fitness or otherwise concerning the use of this product other than as indicated on the label. User assumes all risks of use, storage or handling not in strict accordance with accompanying directions.

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